

Amendments to the claims:

1. (currently amended) A system for the production of composite material slabs, wherein ~~characterized in that the materials are~~ material is unloaded from one or more mixers to hoppers unloading the same to one or more extractor/conveyor belts that feed the material to a homogenizing disc rotating about its vertical axis and feeding the material to conveyor belts that convey it to a leveling hopper (18), from which a double-stroke belt (19) takes the material ~~mixture~~ by the movement of its belt ~~mat~~ and unloads it homogeneously to the leveling hopper (20) by its linear movement, from which it is taken by an extracting belt causing the material to distribute along its length whereupon the material is unloaded to the underlying ~~levelling~~ leveling hopper (22), and while the belt (21) starts its movement to the opposite direction, the ~~levelling~~ leveling hopper (22) integral to the belt starts to unload the material to the underlying mould (23), ~~thus thereby~~ covering the whole surface of the mould ~~thereof~~ and filling the mould ~~same~~.

2. (currently amended) The system of claim 1, ~~characterized in that~~ wherein before the extracted mixture is fed to the homogenizing disc, it passes through one or more pairs of rollers capable of avoiding any lumps.

3. (currently amended) The system of claim 1, ~~characterized in that~~ wherein an amount of liquid or powered colour can be injected into the

mixture distributed on the extracting belt before or during the transport step to the mould mold by means of colour batchers by fall or spray so that product with veins or leopard skin can be provided.

4. (currently amended) The system of claim 1, ~~characterized in that~~ wherein mixtures of silica, granulates, binding agents with different colours distributed by little belts to the extracting belt can be provided by means of little mixers located at a height above the extracting belt feeding the mould mold so that leopard skin colourings or veined products can be obtained.

5. (currently amended) A method ~~for~~ of producing composite material slabs ~~made by using the system of claim 1,~~ comprising the following steps:

unloading material from one or more mixers to hoppers;

unloading the material from the hoppers to one or more extractor/conveyor belts;

feeding the material from the one or more extractor/conveyor belts to a homogenizing disc rotating about a vertical axis;

feeding the material to conveyor belts that convey the material to a leveling hopper;

conveying the material with a double-stroke belt which takes the material by the movement of its belt and unloads it homogeneously to the leveling hopper by its linear movement;

taking the material from the leveling hopper by an extracting belt, thereby causing the material to distribute along its length, whereupon the material is unloaded to the underlying leveling hopper; and

unloading the material with the leveling hopper that is integral to the belt to the underlying mould, thereby covering the whole surface of the mould and filling the mould.

6. (currently amended) Slabs of composite material made according to the ~~method carried out by the system of claim 1~~ in a method performed by a system for producing composite material slabs, comprising the following steps:

unloading material from one or more mixers to hoppers;

unloading the material from the hoppers to one or more extractor/conveyor belts;

feeding the material from the one or more extractor/conveyor belts to a homogenizing disc rotating about a vertical axis;

feeding the material to conveyor belts that convey the material to a leveling hopper;

conveying the material with a double-stroke belt which takes the material by the movement of its belt and unloads it homogeneously to the leveling hopper by its linear movement;

taking the material from the leveling hopper by an extracting belt, thereby causing the material to distribute along its length, whereupon the material is unloaded to the underlying leveling hopper; and

unloading the material with the leveling hopper that is integral to the belt to the underlying mould, thereby covering the whole surface of the mould and filling the mould.